



WiMAX FORUM® NEWSLETTER

FEBRUARY 2015

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INTRODUCTION

Dear Respected Colleague,

This month, the WiMAX Forum leadership hosted a few very important and well-received events. On February 2, we hosted the first conference of 2015 in conjunction with **DistribuTECH**. With participants from across the globe, **WiGRID 2015** was a great success.

The program highlighted opportunities, challenges and strategies involved in operating a profitable WiMAX network with real Case Studies from Utilities, Operators, and Vendors. The WiMAX Forum would like to especially thank speakers from the following companies:

BC Hydro	Telrad Networks
GE Digital	Keller and Heckman
IBM	Select Spectrum
Powertech Labs	Xcel Energy
Siemens RuggedCom	

During DistribuTECH, the WiMAX Forum Board of Directors held their first Annual General Meeting. In addition, preceding the WiGRID 2015, the **Smart Energy Working Group (SEWG)** met face-to-face to discuss ongoing FCC proceedings related to the 3.5 GHz Citizens Broadband Radio Service (CBRS) regime and potential inclusion of the 3650-3700MHz band recent **FCC FNPRM**, WiGRID certification, and continuation of activities related to other industrial applications.

Submitting an ex parte to the FCC regarding its rules on the CBRS band, the WiMAX Forum, Utilities Telecom Council, American Petroleum Institute, Ameren Corporation, CenterPoint Energy Houston Electric, Exelon Corporation, Iberdrola USA, GE Digital Energy, Siemens Industry Inc., and Telrad Networks continue to oppose the inclusion of the 3650-3700 MHz band in the proposed CBRS band. To read more details, please click [here](#). To support the development and advancement of spectrum sharing technologies based on the three-tier architecture proposed for the 3.5 GHz rulemaking activities, members of the WiMAX Forum have joined the new **Spectrum Sharing Committee (SSC) within the Wireless Innovation Forum (WInnForum)**. This committee will focus on the advancement of spectrum under the proposed FCC Part 96 rules, providing sharing in the 3.5 GHz Band. This includes detailing common industry and government functionality and architecture for Spectrum Access Systems (SAS), Dedicated Listening Devices (DLDs), and devices that will operate within the new 3.55 GHz sharing framework.

Next month, the WiMAX Forum will continue to push forward hosting and participating in a number of industrial events with the expectation that these markets will continue to increase in value as WiMAX's market share continues to expand. Here is the summary of upcoming events that we are hosting and participating in the coming months:

- **WiMAX Aviation 2015 - Madrid** will be held at **World ATM Congress** on Tuesday 10 March and Wednesday 11 March from 13:00 to 17:00 at **IFEMA - Feria de Madrid Convention Centre**, Recinto Ferial Juan Carlos I, Parque Juan Carlos I, s/n, 28042 Madrid, Spain.

A new white paper entitled, "*AeroMACS: A Common Platform for Air Traffic Management Applications*," will be released shortly before WiMAX Aviation 2015 and the main Conference. Published by **Senza Fili Consulting**, the research will examine the latest AeroMACS applications and how they benefit key stakeholder groups. The paper will feature a proof-of-concept at Dallas-Fort Worth Airport, a phased deployment approach and a description of the Network Reference Model. Senza Fili Consulting President, Monica Paolini will be in attendance, and will present the highlights of the research including details of the Network Reference Model, alongside other aviation experts.

To download the previous white paper, entitled, "Enabling the Next Generation in Air Traffic Management with AeroMACS," please click [here](#).

- **UTC America Latina 2015** on March 25 - March 27, 2015 in Florianopolis, Brazil. WiMAX Forum President, **Declan Byrne** will discuss WiMAX for Smart Grid, spectrum regulations and the need of licensed spectrum.

- **ICNS Conference 2015** on April 21 - April 23, 2015 in Herndon, Virginia. WiMAX Forum President, Declan Byrne will discuss AeroMACS the Next Generation Standard in Air Traffic Management.

Many of your organizations have been contacted by our membership and finance teams. As always we stand ready to answer any questions that you have. Please don't hesitate to reach out to our Finance team lead, **Mr. Jack Daniels**, should you have any questions or comments.

If you have any questions regarding any of this or our organization's activities, please reach out to us.

We look forward to continuing to work with you in 2015!

Best Regards,

WiMAX Forum

EVENTS

In 2014, the WiMAX Forum hosted its own events and also participated in a range of important industry events spanning the globe. In 2015, we will continue in our efforts to bring you quality events directly hosted by the WiMAX Forum, and will also have a presence at key industry events.

The WiMAX Forum team looks forward to seeing you at our events. The following is the summary of the upcoming events:



The WiMAX Forum is pleased to announce the first WiMAX Aviation seminar in Madrid. **WiMAX Aviation 2015 - Madrid** will be held at **World ATM Congress** on Tuesday 10 March and Wednesday 11 March from 13:00 to 17:00 at **IFEMA - Feria de Madrid Convention Centre**, Recinto Ferial Juan Carlos I, Parque Juan Carlos I, s/n, 28042 Madrid, Spain. The Seminars will focus on supporting the global Aviation Community in managing profitable developments and growth of their AeroMACS networks.

WiMAX Aviation 2015 - Madrid is a seminar for all participants to meet, exchange ideas, and develop business and cooperative relationships. The event will highlight the opportunities, challenges, and strategies involved in operating efficient AeroMACS networks.

WiMAX Aviation 2015 - Madrid will be an interactive seminar. **Participation in the seminar is free to the attendees of World ATM Congress.** It is open to all participants of the Aviation ecosystem and membership in the WiMAX Forum is not a requirement to attend.

In addition, come visit the WiMAX Forum stand during World ATM Congress at **Hall 9 - Stand 125** at IFEMA - Feria de Madrid Convention Centre. We will be happy to tell you about us and AeroMACS solutions.

Registration is required for this event. For more information and registration, please visit **WiMAX Aviation 2015 - Madrid.**

Supported By:



The Utilities Telecom Council was founded in the USA in 1948 to represent the interests of telecommunications utilities before regulatory agencies and the government. Hosted by UTC America Latina, a nonprofit organization, the UTCAL SUMMIT 2015 will take place at Hotel Majestic Palace in Florianopolis on March 25-27, 2015.

The WiMAX Forum will be at UTC America Latina 2015!

Come see WiMAX Forum President **Declan Byrne** discuss WiMAX for **Smart Grid**, spectrum regulations and the need of licensed spectrum.

For additional information, please visit: **UTC AL 2015**.



This year's theme: Innovation in Operations, Implementation Benefits and Integration of the CNS Infrastructure.

The 2015 Integrated Communications Navigation and Surveillance (ICNS) Conference addresses long-term research and development of integrated CNS technologies for advanced aeronautical digital information systems and applications supporting the future global air transportation systems.

The WiMAX Forum will be at ICNS 2015!

Come see WiMAX Forum President **Declan Byrne** discuss WiMAX for **Aviation** - AeroMACS the Next Generation Standard in Air Traffic Management.

For additional information, please visit: **ICNS 2015**.



The **IoT Global Innovation Forum 2015** brings together leading technology innovators, business strategists, and developers from around the world for two days of focused networking and information sharing at the IoT cutting edge. Expert speakers will discuss the latest applications for traditional commercial processes as well as new business models and opportunities within the emerging Internet of Things ecosphere. IoT Global Innovation Forum 2015 will take place on **April 21-22, 2015 in Dallas, TX, USA** at the **Dallas Marriott City Center**.

The WiMAX Forum is proud to be a supporting organization and be at IoT Global Innovation Forum 2015!

Come see [Dr. Mo Shakouri](#), WiMAX Forum Chairman, speak at the event. More details will be shared soon.

For more information and event registration, please visit [IoT Global Innovation Forum 2015](#).



Informa's [Internet of Things World 2015](#) is the world's largest independent IoT event with over 4,000 attendees, 250+ industry thought leaders and 150+ exhibitors. With a focus on monetizing the IoT revolution through bringing together ecosystem wide attendees, stakeholders and investors, Internet of Things World is a unique opportunity to promote your IoT message right in the heartland of IoT development. It will take place on **May 12-13, 2015 in San Francisco, CA USA at the Moscone Center**.

The WiMAX Forum will be at Internet of Things World 2015!

Come see [Dr. Mo Shakouri](#), WiMAX Forum Chairman, speak on the "Addressing the key challenges facing developments in Connected Transport Systems" panel during the "Integrated Transport Systems" Track at a TBD time on May 12, 2015. Check back soon for more details.

For more information and event registration, please visit [IoT World 2015](#).



Rising size of mobile workforce, increasingly complex demands by users, coupled with the proliferation of connected devices have made this industry more dynamic than ever. It has also blurred the line between work and personal time as seen in the rise of mobility driven innovations such as smart living solutions, wearable technologies, and many others.

At CommunicAsia2015, the latest innovative technologies from Big Data, Business Analytics, Cloud technologies, IoT, to Zigbee will be unveiled, that will change the way we live and work. It will take place on **June 2-5, 2015 at Marina Bay Sands, Singapore**.

For more information and event registration, please visit [CommunicAsia2015](#).



Serving the industry for over 26 years, the Exhibitions India Group which has played an integral role in the changing landscape of the Information and Communication environment in South Asia, has now joined hands with AfriEXPOS, Africa's premier expo organizer to bring its expertise through **Convergence Africa World**, which **will take place on 17-19 June 2015 in Oshwal Centre (Parklands) Nairobi, Kenya**.

The expo will showcase innovation and merger of technologies over any screen – be it a computer / laptop, telephone, or TV screen. Focused business matching will provide the perfect opportunity to network with industry bellwethers and establish new relationships.

For more information and event registration, please visit [Convergence Africa World 2015](#).

Sponsorship Opportunities:

Increase your presence at the WiMAX Forum events through a sponsorship! Our high-profile events offer sponsors excellent visibility before, during and after the event.

Sponsorship opportunities include:

- Media Sponsorship (*Free*)
- Diamond Sponsorship (*WiMAX Forum Members Only*)
- Platinum Sponsorship
- Gold Sponsorship
- Silver Sponsorship
- Exhibitor (*Upon Availability - WiMAX Forum Members Only*)

For more information about which event sponsorship may best suit your needs, please contact Alessandra Rocha at Alessandra.Rocha@WiMAXForum.org.

The WiMAX Forum plans to host and participate in other events over the course of 2015. As details concerning these events are finalized, we will be certain to keep you informed.

For more information about our events, please visit: [WiMAX Forum Events](#)

MEMBERSHIP SERVICES

The WiMAX Forum is committed to delivering the value necessary for our members to get the most of their association with the WiMAX Forum, and we are always happy to engage with individual members to discuss how the WiMAX Forum can better serve its membership. **WiMAX Forum Membership** provides a wide range of benefits and services that allows WiMAX Service providers to grow their networks and the vendor community to sell more equipment and services.

The WiMAX Forum would like to extend a special welcome to the new members from 2014-2015:

- **Alpha Tel S.A.**
- **Civil Aviation Safety Authority of Australia**
- **DFS Deutsche Flugsicherung GmbH**
- **Ecil Energia**
- **Embry Riddle Aeronautical University**
- **Exelis**
- **Great River Energy**
- **Green Packet Berhad**
- **Hawaiian Electric**
- **Iberdrola USA**
- **Intellecom LLC**
- **Kyocera Communication Systems Co.**
- **Magnaquest Technologies Ltd**
- **Metropolitan Washington Airport Authority**
- **MITRE Corporation**
- **Seowon Intech**

The WiMAX Forum is the best place for our members to access, leverage and influence the growth and development of the WiMAX industry. So be a leader in WiMAX and step up to get involved today!

If you have questions regarding the WiMAX Forum Membership, please send a message to Membership@wimaxforum.org.

WORKING GROUPS

The **WiMAX Forum Working Groups** focus on three key initiatives: **AeroMACS**, **Smart Energy** and **WiMAX Advanced**.

The Aviation Working Group (AWG) is collaborating on four key projects: AeroMACS Certification, Network Reference Model, AeroMACS PKI, and FCC Service Policy Petition. The AWG Certification Task Group is finalizing IOT Scenarios and beginning work to map test cases for the IOT use cases for the purpose of developing tests for our first AeroMACS Certification Testing Event. The Network Reference Model Task Group members are estimating Base Station requirements and identifying specific applications to drive each deployment phase to develop the business case for AeroMACS, which was presented at February AEEC Committee meeting and will be presented at WiMAX Aviation 2015 - Madrid. The WiMAX Forum plans to publish a comprehensive AeroMACS proof-of-concept deployment plan for Dallas Fort Worth International Airport. As the work to develop an AeroMACS Network Reference Model continues, the results can be used as the basis to begin FCC Petition development in 2015. In the AWG PKI Task Group, Symantec presented a document outlining the Proof Of Concept for Airport trial networks that may be interested in a free trial of a WiMAX X.509 PKI platform. The Forum and Symantec will be distributing a proposal and process flow in the near future.

The Smart Energy Working Group (SEWG) along with a coalition of utilities submitted an ex parte to the FCC in their continued response to the recent **FCC FNPRM** related to spectrum in the 3.5 GHz band. Additionally, the WiMAX Forum is participating in Wireless Innovation Forum (WInnForum) to participate in the Spectrum Access System (SAS) structure to influence the rules that regulate the band. Collaborating with API, Ameren, CenterPoint Energy Houston Electric, Exelon, and UTC, the WiMAX Forum continues to pursue the interests of the Smart Grid industry. For other Smart Energy initiatives, SEWG presented at OilComm and has plans to present WiMAX for Rail at an AAR Wireless Communications Committee meeting based on use cases and applications defined by the rail industry.

In 2014, the Service Provider Working Group (SPWG) published a white paper called "WiMAX Advanced: Deployment Scenarios Based on Input from WiMAX Operators and Vendors", defining common scenarios and providing recommendations for WiMAX and WiMAX Advanced co-existence and/or transition. To read the white paper, please click [here](#). The SPWG will continue to work with WiMAX Operators in 2015 as they implement WiMAX Advanced.

The WiMAX Forum **Working Groups** are the key to the development of WiMAX technology. Working Groups are chartered by the WiMAX Forum to bring together content experts from member companies to contribute to and harmonize documents and specifications and perform other tasks that the WiMAX Forum has determined to be necessary or useful. Members of the forum have the opportunity to participate as officers of working groups when there are vacancies and to vote on working group output.

The WiMAX Forum organizes its technical activities through a number of Working Groups that produce technical requirements, develop technical specifications, or advise the forum. These groups are coordinated by the Technical Steering Committee. The WiMAX Forum Working Groups include:

- **SPWG** - Service Provider Working Group - *Requirements*
- **SEWG** - Smart Energy Working Group - *Requirements & WiGRID Initiative*
- **AWG** - Aviation Working Group - *Procedures, Profiles & AeroMACS Initiative*
- **TWG** - Technical Working Group - *Technical*
 - **CTG** - Certification Task Group - *Technical*
 - **NTG** - Network Task Group - *Technical*
- **GRWG** - Global Roaming Working Group - *Advisory*
- **RWG** - Regulatory Working Group - *Advisory*

If you are not a member of a Working Group yet, you can request to join on the group's [Home Page](#). You can learn more about the Working Group activities by visiting the member's area in Kavi and viewing the outcome of recent Working Group sessions or joining groups to receive emails related to that group's activities. Working Group activity is integral to the success of the Forum.

Your participation is important to the WiMAX community!

Now is the time to get involved. With activities gaining serious momentum, it is a crucial time and a great opportunity to influence and leverage these activities. If you or your company is interested in participation in our [Working Groups](#) or a leadership role, please contact the TSC Chair Rich Hawkins at Rich.Hawkins@WiMAXForum.org. To find more information on our Working Groups, please visit: www.wimaxforum.org/about/working-groups.

WiMAX FORUM NEWS

The WiMAX Forum weekly Newsbrief contains the summary of news from around the WiMAX ecosystem and is intended as a benefit to our community. If you do not yet receive the Newsbrief and wish to do so, please sign up here: [WiMAX Newsbrief](#).

Below is a summary for the month of February:

- [Internet of Things Executive Conference to Examine Key IoT Advances and Opportunities](#)
- [EPRI enters next phase of Integrated Grid Initiative](#)
- [What Can We Expect At Mobile World Congress 2015?](#)
- [The Device Developers' Conference to Explore IoT in The Real World](#)
- [Enforta starts new service for small businesses](#)
- [ICNS Conference 2015](#)
- [Enforta starts services for Archangel freight carrier](#)
- [Orange Botswana launches 4G network](#)
- [WiMAX, Video Conferencing System, Radio Trucking System and Audio Visual Systems \(19 – 23 April 2015, Dubai\)](#)
- [WiMAX Forum to Host Two-Day Session at 2015 World ATM Congress](#)
- [Beeline brings WiMAX network to Kazan skyscraper](#)
- [Utilities need to show return on smart grid investments, Accenture builds on Structure](#)
- [UTC Telecom & Technologies 2015](#)
- [TTK expands internet subscriber base in Komi](#)
- [DEWA highlights efforts to make Dubai the happiest city on earth at Government Summit 2015](#)
- [Municipal providers protest FCC's Title II net neutrality proposal](#)
- [Enforta builds LAN for Blagoveshchensk power station](#)
- [Ameren opens Smart Grid Innovation Center at University of Illinois campus](#)

- **Clarke & Severn releases new high power splitter/combiner**
- **Movimax enters Peruvian broadband market**
- **Freshtel offers double traffic to retail subscribers**
- **KDDI reports 30% rise in 9M net profit**
- **ISPs launch attractive offers at CAN Info-Tech**
- **UTC America Latina 2015**
- **MTS to Acquire Vexigo Ltd.**
- **CelPlan Technologies invites you to join at booth 5I40 in Hall 5 for the Mobile World Congress 2015**
- **Battery-powered ultra-stable 26GHz RF signal generator**
- **World ATM Congress eNewsletter Featuring WiMAX Aviation 2015 - AeroMACS Program**
- **KDDI targets 2nd year of double-digit profit growth**
- **"Speed Wi-Fi NEXT WX01" – The world's first Wi-Fi router that supports 4x4 MIMO Mobile Wi-Fi Router with a Maximum Download Speed of 220Mbps**
- **Enforta starts services for Naberezhnye-Chelny tram company**
- **Mouser – Power transistors suitable for a variety of RF power amplifier applications**
- **Enforta starts services for competition regulator**
- **4G Mobile Phone Jammers For Sale In USA UK Australia Canada**
- **January 2015 WiMAX Forum Monthly Newsletter**



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